

CLAIMS

1. A method for detecting a degenerated region comprising:

obtaining color region information on a degenerated
5 region on image data of a standard specimen in a stained thin section slide;

obtaining color region information on a non-degenerated region on the image data of the standard specimen;

10 obtaining color region information on a non-degenerated region on image data of a specimen;

comparing the image data of the specimen with the image data of the standard specimen to calculate a color correction quantity to match tone and brightness of the non-degenerated region in the specimen with the counterparts
15 of the non-degenerated region in the standard specimen, and correcting the image data of the specimen with the color correction quantity; and

extracting a degenerated region in the corrected image
20 data of the specimen based on the color region information of the degenerated region in the standard specimen.

2. The method according to claim 1, further comprising the step of calculating a score on the corrected image data of the specimen.

25 3. The method according to claim 1, further comprising

the steps of:

determining a position and a shape of the non-degenerated region in the image data of the standard specimen; and

5 designating a non-degenerated region in the specimen with a matching calculation based on data of the position and the shape of the non-degenerated region of the standard specimen.

4. An apparatus for detecting a degenerated region
10 comprising:

 a first device which obtains color region information on a degenerated region on image data of a standard specimen in a stained thin section specimen;

 a second device which obtains color region information
15 on a non-degenerated region on the image data of the standard specimen;

 a third device which obtains color region information on a non-degenerated region on image data of a specimen;

 a color corrector which compares the image data of
20 the specimen with the image data of the standard specimen to calculate a color correction quantity to match tone and brightness of the non-degenerated region in the specimen with the counterparts of the non-degenerated region in the standard specimen, and corrects the image data of the
25 specimen with the color correction quantity; and

an extractor which extracts a degenerated region in the corrected image data of the specimen based on the color region information of the degenerated region in the standard specimen.

5 5. The apparatus according to claim 4, further comprising:

a scanner which acquires a series of images seamlessly on an entire specimen on the slide; and

an automatic slide carrier which carries stocked slides one by one to said scanner and discharges and stocks the
10 slides after the scan of said scanner.

6. The apparatus according to claim 5, wherein the slide is held in a case having a side thickness larger than the slide.